

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

PUBLICATION NUMBER : 10050278  
PUBLICATION DATE : 20-02-98

APPLICATION DATE : 01-08-96  
APPLICATION NUMBER : 08203388

APPLICANT : MATSUSHITA ELECTRIC IND CO LTD;

INVENTOR : OO FUMIO;

INT.CL. : H01M 2/08 H01M 6/16

TITLE : NONAQUEOUS ELECTROLYTE BATTERY

ABSTRACT : PROBLEM TO BE SOLVED: To provide a nonaqueous electrolyte battery in which battery characteristics under high temperature environment and in storage are improved.

SOLUTION: Crystalline syndiotactic polystyrene resin or a material obtained by adding polyolefin elastomer comprising polyethylene or polypropylene to crystalline syndiotactic polystyrene resin is used as a gasket material, and a nonaqueous electrolyte prepared by dissolving lithium borofluoride as a solute in an organic solvent of  $\gamma$ -butyrolactone alone or its mixture is used. In a battery after sealing, by specifying the compression ratio of the gasket to 30-75% in thickness, electrolyte leakage performance is enhanced.

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